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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 4th May 1985

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Patent Office Branch,
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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
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Calcutta-700 017.

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APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

28th March, 1985

228/Cal/85. Elektronikus Merokeszolekek Gyara. Switch element resting on three points.

229/Cal/85. Westinghouse Electric Corporation. Improvements in or relating to unrestricted frequency changer system having improved harmonic characteristic and adjustable frequency AC motor drive using such a system.

230/Cal/85. Hoechst Aktiengesellschaft. Process for preparing liquid low-salt aqueous dyestuff compositions.

231/Cal/85. Nabisco Brands Inc. Apparatus and process for extruding dough as used in producing crisp breads.

232/Cal/85. Hitachi Ltd. Production of epoxy resin composition

233/Cal/85. (1) Prabhu Dayal Bhattacharya, (2) Attul Kumar Sanyal Process for producing nitrates of formula RNO_3 where R stands for hydrogen and alkali metal or an alkaline earth metal.

234/Cal/85. Centraal Diergeneeskunding Instituut. Process for preparing a live purified marek's disease vaccine.

29th March, 1985

235/Cal/85. Gunter Heinrich Born. Floating device for forming aquatic animals and plants and water distillation hose.

236/Cal/85. (1) Ovonic Battery Company. (2) ANR Energy Conversion Company. Hydrogen storage materials and methods of sizing and preparing the same for electrochemical applications

237/Cal/85. Nissan Chemical Industries Ltd. Process of polymerization or copolymerization of ethylene. [4th June, 1982].

30th March, 1985

238/Cal/85. Bathi, Prahlada R. Tandem Commutatorless DC Machine.

239/Cal/85. Concast Service Union AG. Method and apparatus for continuously casting metal in a shaping cavity having cooled rotating walls.

240/Cal/85. Matsushita Electric Industrial Co. Ltd. Construction of solar battery package.

241/Cal/85. The Bancock & Wilcox Company. Variable speed resistive Network for a pneumatic servo assembly of an Electro-pneumatic converter.

242/Cal/85. The Babcock & Wilcox Company. Tieline Control.

2nd April, 1985

243/Cal/85. Kabel-Und Metallwerke Gutehoffnungshutte AG. Continuous casting of ingots.

244/Cal/85. The Babcock & Wilcox Company. Adaptive Gain Compressor Surge Control System

245/Cal/85 Westinghouse Electric Corporation. Diagnostic system and method.

246/Cal/85. Westinghouse Electric Corporation. Improvements in or relating to electrical switch.

247/Cal/85. M & T Chemicals, Inc. Liquid coating composition for producing high quality high performance fluorine-dofed tin oxide coatings.

248/Cal/85. Beloit Corporation Headbox Trailing Element.

249/Cal/85. Hoesch Aktiengesellschaft. Centre free large rolling bearing.

250/Cal/85. Carrier Corporation. Refrigeration unit controls

251/Cal/85. Carrier Corporation. High-low superheat protection for a refrigeration system compressor.

252/Cal/85. Carrier Corporation. Electric program control for a refrigeration unit.

253/Cal/85. Carrier Corporation. Refrigeration Unit Compressor Control.

254/Cal/85. Carrier Corporation. Method and control system for protecting an evaporator in a refrigeration system against freezeups.

255/Cal/85. Carrier Corporation. Dual pump down cycle for protecting a compressor in a refrigeration system.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH. NEW DELHI-5

11th March, 1985

195/Del//85. The Halcon SD Group, Inc., "Process for the extraction of dilute amounts of carboxylic acids from liquid solutions".

196/Del/85. Astra-Tech Aktiebolag. "Blood pump".

197/Del/85. General Foods Corporation, "Meat analog with fibrous material".

198/Del/85. General Foods Corporation, "Direct expanded, high fat, farinacious product and process thereof".

199/Del/85. General Foods Corporation, "Freeze-thaw stable meat and seafood analogs".

200/Del/85. General Foods Corporation, "Improved method for fixing acetaldehyde".

201/Del/85. Imperial Chemical Industries PLC., "Emulsion explosive composition". (Convention date March 21 & June 12, 1984, (U.K.).

12th March, 1985

202/Del/85. The Jay Engineering Works Ltd., "A C. Ceiling fans".

203/Del/85. ICI Australia Ltd., "Treatment of zircon".

204/Del/85. Morgan Construction Company, "Single strand block type rolling mill".

205/Del/85. Lucas Industries Public Limited Company, "Flywheel mechanisms for anti skid braking systems". (Convention date March 29, 1984) (U.K.).

206/Del/85. Telefonaktiebolaget LM Ericsson, "Parallel synchronous operation".

13th March, 1985

207/Del/85. Harminder Singh & Parvinder Singh, "Automatic Pipette".

208/Del/85. Energy Conversion Devices Inc., "Method of electro-coating a semiconductor device".

209/Del/85. Kennecott Corporation, "Repair plug assembly for vessel having a corrosion resistant lining".

210/Del/85. Shell Internationale Research Maatschappij B.V., "Olefin polymerization catalyst composition".

14th March, 1985

211/Del/85. Exxon Research and Engineering Co., "Middle distillate compositions with improved low temperature properties". (Convention date March 22, 1984 & August 10, 1984) (U.K.).

212/Del/85. Exxon Research and Engineering Co., "Middle distillate compositions with improved cold flow properties". (Convention date March 22nd, 1984 and August 10, 1984) (U.K.).

213/Del/85 Dorr Oliver Incorporated "Filtrate discharge system for pressure filter".

14th March, 1985

214/Del/85. Dorr Oliver Incorporated, "Pressure filter".

15th March, 1985

215/Del/85. Bharat Heavy Electricals Limited, "A shell boiler having a built in deaerator.

216/Del/85. Aktiebolaget Bofors, "Crystallization method".

217/Del/85. Union Carbide Corporation, "Pressure swing adsorption with intermediate product recovery".

218/Del/85. Standard Telephones and Cables Public Limited Company, "Telephone hook switch'. (Convention date 17th March, 1984) (U.K.).

219/Del/85. GKN Technology Limited, "Method of squeeze forming metal articles". (Convention date April 7, 1984) (U.K.).

220/Del/85. Suman Kumar Dewan, "Full duplex communication using single operating frequency".

221/Dil/85. Suman Kumar Dewan, "Codification of audio signals".

16th March, 1985

222/Del/85. Dr. D. N. Kaushika, "Slatted solar collector/storage water heater".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

4-3-1985

58/BOM/85	M.G. Pandya	A lifting and shifting hoist.
59/BOM/85	Dr. S.K. Sanghani	A device to convert water wave energy into electric energy.
60/BOM/85	Hindustan Lever Ltd., 24th July 1981, 6th Oct. 1981, Gr. Britain	Preparation of Detergent Composition.
61/BOM/85	Hindustan Lever Ltd., 24th July 1981, Gr. Britain	A synergistic Detergent Composition.

5-3-1985

62/BOM/85	D.B. Sharma	Preparation and application of durable type antibacterial finish on cotton and cotton/blended fabrics.
63/BOM/85	B. Somabhai Patel	An Improved Pilfer-proof Container.

6-3-1985

64/BOM/85	Volta Power Belting Ltd.	Drive Belts.

8-3-1985

65/BOM/85	M.S. Dherwadkar	A method of manufacturing Electromagnetic cores for electromagnetic induction apparatus.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

11th March, 1985

180/Mas/85. Babcock-Hitachi Kabushiki Kaisha. Apparatus for coal combustion.

181/Mas/85. BASF Aktiengesellschaft. Underground gasification of coal.

12th March, 1985

182/Mas/85. Metal Box Limited. A container of a food or beverage product. (November 19, 1980; United Kingdom. (Divisional to Patent Application No. 1288/Cal/81).

183/Mas/85. Union Carbide Corporation. Olefin Polymer Compositions containing silicone additives and the use thereof in the production of film material.

13th March, 1985

184/Mas/85. Linde Aktiengesellschaft. A process for the production of protein containing material.

185/Mas/85. Alcide Corporation. Disinfection method and composition therefor.

186/Mas/85. Stauffer Chemical Company. Thin film field effect transistors utilizing a polypnictide semiconductor.

187/Mas/85. Firma Tirlux Lenze GmbH + Co KG. Elongated luminaire.

14th March, 1985

188/Mas/85. Shell Internationale Research Maatschappij B.V. Apparatus for the gasification of a pulverized solid fuel. (March 16, 1985; Great Britain).

189/Mas/85. Mauser-Weeke GMBH. Apparatus for opening and closing a mould.

190/Mas/85. Goran Hultmark. A plane solar heat collector.

191/Mas/85. Institute De Investigation Y Desarrolo Quimico-Biologico S.A. New 1, 4 dihydropyridine derivatives, their method of synthesis and their application as medicines.

15th March, 1985

192/Mas/85. Industrial Insulations. Inc. Heat insulating module for a high temperature chamber.

193/Mas/85. Unie Van Kunstmestfabrieken B.V. Process for the preparation of urea.

194/Mas/85. Linde Aktiengesellschaft. The separation of higher boiling impurities liquefied gases.

195/Mas/85. Nippon Light Metal Co. Ltd. Inspection Car for Bridge construction of a high level road.

16th March, 1985

196/Mas/85. Allied Corporation & Park Avenue. Electrical connector assembly having locking means.

197/Mas/85. Allied Corporation & Park Avenue. Electrical connector assembly having locking means.

198/Mas/85. Lucidyne, Inc. Multiple segment electrostatic precipitator with independently pulsed charging means.

199/Mas/85. Uhde GmbH. Device for achieving a uniform distribution of the gas flowing radially through a catalyst bed.

200/Mas/85. C. Mathew. Mechanical interlock.

18th March, 1985

201/Mas/85. BASF Aktiengesellschaft. Removal of CO_2 and/or H_2S from gases.

202/Mas/85. Hobson Process Limited. Improvements in or relating to the forming of extrusion dies. (March 21, 1984; Great Britain).

19th March, 1985

203/Mas/85. Fives-Cail Babcock. Washing process using a heavy medium and installation for performing this process.

204/Mas/85. Linde Aktiengesellschaft. Drying of gases with Multi-layer adsorption beds.

205/Mas/85. Dengensha Manufacturing Company Limited. Method of controlling constant-current for resistance welding machines.

20th March, 1985

206/Mas/85. I. Thomas. I I S Crusher mixer.

207/Mas/85. British Steel Corporation. Improvements in or relating to the production and/or refining of metal. (March 21, 1984; Great Britain).

208/Mas/85. Chevron Research Company. Two-stage, close-coupled thermal catalytic hydroconversion process.

209/Mas/85. SKF Steel Engineering AB. A method and means for use in the installation of plasma generators in shaft furnaces.

210/Mas/85. SKF Steel Engineering AB. A method and plant for cooling gases and removing dust from them.

211/Mas/85. Kyorin Seiyaku Kabushiki Kaisha. A process for the preparation of quinoline carboxylic acid derivatives.

21st March, 1985

212/Mas/85. M. A. Atmanand. Digital two wire telemetry system using microprocessor.

213/Mas/85. Stamicarbon B.V. N-Substituted carbamoyllactam.

214/Mas/85. Stamicarbon B.V. Process for preparing a polymer alloy, molded product, and reaction injection molded product.

215/Mas/85. Allied Corporation of Columbia Road and Park Avenue. Electrical Junction Housings. (March 29, 1984; United Kingdom).

216/Mas/85. Salure Investments Limited. The processing of reflected signals. (March 22, 1984; United Kingdom).

22nd March, 1985

217/Mas/85. Mannesmann Aktiengesellschaft & L. & C. Steinmuller GmbH. Method to reduce the emission of harmful substances in furnace installations.

218/Mas/85. A. Salvi & C. S.p.A. Adjustable vibration damper for stretched suspended cables.

219/Mas/85. Lucas Electrical Electronics & Systems Ltd. Electronic ignition system for an internal combustion engine. (March 28, 1984, Great Britain).

220/Mas/85. Mitsubishi Denki Kabushiki Kaisha. Arc chute for a circuit breaker.

23rd March, 1985

221/Mas/85. Andrew J. Brown. Racket Handle.

222/Mas/85. Honda Giken Kogyo Kabushiki Kaisha Decompression device for internal combustion engine.

223/Mas/85. Alfred Heinrich Thun. Bicycle pedal bearing Assembly.

224/Mas/85. Manjarabad Venkataramanaswamy Naik Sreenivasa Raju. A floating heat barrier device to guide and/or channelise hot water on the surface of a water reservoir in a predetermined route(s)/length(s) for cooling the same.

ALTERATION OF DATE

156046. Ante dated to 29th June, 1981. (415/Cal/84)

156060. Ante dated to 25th September, 1976. (949/Cal/77)

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 32-F 156046

Int. Cl. : C 07 c 121/38.

AN IMPROVED PROCESS FOR PRODUCING ETHYLENE COPOLYMER WITH A Ti CONTAINING CATALYST.

Applicant : UNION CARBIDE CORPORATION, LOCATED AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : 1. KIU HEE LEE. 2. GARY STANLEY CIELOSZYK.

Application No. 415/Cal/84 filed June 16, 1984.

Division of Application No. 703/Cal/81 dated 29th June, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

10 Claims

An improved process for producing ethylene copolymer with a Ti containing catalyst in a reactor under a pressure 1000 psi in the gas phase.

said copolymer being produced in granular form and having a density of 0.91 to 0.94 gm/cm^3

which comprises copolymerizing ethylene with at least one C_3 to C_8 alpha olefin at a temperature of 30 to 105°C by contacting the monomer charge with, in the presence of 0 to 2.0 mols of hydrogen per mol of ethylene in the gas phase reaction zone, particles of the improved catalyst composition claimed in claims 1 to 8 of Indian Patent Specification No. 154420.

Compl. specn. 51 pages. Drg. 1 sheet.

Class : 55-E_4 156047

Int. Cl. A 23 k 1/02.

A METHOD OF PRODUCING AN ANIMAL FEED.

Applicants : RAM PRAKASH ANEJA AND NATIONAL DAIRY DEVELOPMENT BOARD RESPECTIVELY 11/1 RAWDON STREET, CITY OF CALCUTTA, STATE OF WEST BENGAL, INDIA AND OF KAIRA F 103 ANAND, STATE OF GUJARAT, INDIA.

Inventors : 1. DR. PULIKKOTTILE GEORGE KUNJU JOHN, 2. DR. ASHOK KUMAR MEHTA.

Application No. 238/Cal/83 filed February 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of producing an animal feed comprising at least a source of soluble nitrogen such as urea 10% to 25% which are not utilized by the animal without microbial intervention and molasses, for rumen microflora present in the digestive systems of animals which method comprising mixing the constituents at a temperature between 70°C to 100°C with agitation, in a mechanical mixing device having means for heating, heating the mixing to condense the product and moulding the product in the form of blocks and cooling the same.

Compl. specn. 13 pages. Drg. Nil.

CLASS : 83-B_5 156048

Int. Cl : A 23 c 3/00.

METHOD OF PRESERVING RAW MILK.

Applicants : (1) RAM PRAKASH ANEJA, RAJGHARIA MANSION, 11/1 RAWDON STREET, CITY OF CALCUTTA, STATE OF WEST BENGAL, INDIA, (2) NATIONAL DAIRY DEVELOPMENT BOARD, KAIRA F 103, ANAND, STATE OF GUJARAT, INDIA.

Inventors : 1. DR. BIJOY KUMAR CHAKRABORTY, 2. SHAM SUNDER CHAUDHRY, 3. KOTTICHERIL ABRAHAM ALEX.

Application No. 239/Cal/83 filed February 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method of preserving raw milk by retarding the bacterial growth and preventing the development of acidity, comprising treating the milk with an alkali metal thiocyanate at levels as low as 15 ppm and hydrogen peroxide as low a concentration as 10 ppm.

Compl. specn. 11 pages. Drg. Nil.

CLASS : 116-C 156049

Int. Cl. : B 65 g 25/00.

A CONTAINER CONVEYING SYSTEM IN CORPORATING SELF-LOCKING CAGES FOR HANDLING CONTAINERS ON OVERHEAD CONVEYORS.

Applicant : SYSTEMS MANUFACTURING PRIVATE LIMITED, 1-A, PEENYA INDUSTRIAL AREA, II PHASE, BANGALORE-560 058, KARNATAKA.

Inventor : GOPALASWAMY THANGAVELU.

Application No. 151/Mas/81 dated August 31, 1981.

Complete Specification left November 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A container conveying system incorporating self-locking cages for handling containers on overhead conveyors comprising a plurality of cages suspended from an overhead conveyor; a pivotably movable arm provided for each cage, the arm having a roller running on a track, the roller being actuated upwardly by the contour of the track to raise the arm in the loading or unloading position of the cage, the said roller being actuated downwardly, by the contour of the track to lower the arm, in the loaded position, to clasp the container securely in place within the cage; and three or more indexing pins provided for each cage, the said pins being disposed right angularly with respect to each other in different planes and co-operating with guide rails whereby as each cage approaches the guide rails, one of the pins of the cage abutting against the guide rails rotates, causing the cage also to rotate angularly, to align itself for receiving a container thereon.

Prov. 4 pages; Compl. specn. 5 pages; Drg. 4 sheets.

CLASS : 39-N 156050

Int. Cl. : C 01 b 11/00.

PRODUCTION OF SODIUM FORMATE.

Applicant & Inventor : YARAMOSU VENKATESWARLU, 1-120, TARNAKA, SECUNDERABAD-500 017, ANDHRA PRADESH.

Application No. 167/Mas/81 filed September 17, 1981.

Complete specification left December 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim. No drawing

A process for the manufacturing of sodium formate in solution, in a co-current upward flow tubular reactor provided with a gas sparging device, at a temperature of 190–210°C characterised by treating the sodium hydroxide in solution with producer gas or waste tail gases of fertilizer plant both having carbon monoxide concentration less than 30% by volume at a pressure ranging from 9.00–11.50 kg/cm^2 in a continuous or batch mode of production.

Prov. 3 pages; Compl. specn. 9 pages

CLASS : 68-D (÷) 69—(B&I) 156051

Int. Cl. : H 01 h 77/00.

A DEVICE FOR ELIMINATING ELECTRIC SHOCK AND FOR PROTECTING AN ELECTRIC CIRCUIT AGAINST FAULTS.

Applicant & Inventor : ARULANANDASWAMY JOSEPH STEPHEN, 20, M.L.S. ROAD, GANAPATHIPURAM, EAST TAMBARAM, MADRAS-600 059, TAMIL NADU.

Application No. 12/Mas/82 filed January 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A device for eliminating electric shock and for protecting an electric circuit against faults comprising identical first and second main coils for inclusion in the phase-neutral lines of an alternating current circuit, the magnetic fields of the main coils neutralising each other whenever each of the coils carries the same value of current; an electronic amplifier shunting the phase and neutral lines, between the said main

coils and the load in the said circuit; an induction coil connected to the input of the amplifier for sensing any differential magnetic field between the main coils, resulting from a fault in the circuit, and for producing a signal for amplification by the amplifier; a relay coil connected to the output of the amplifier for receiving the amplified signal from the amplifier and for thus tripping a normally closed relay included in the phase-neutral lines, to open the circuit, characterised by an auxiliary coil included in the phase line of the circuit, the said auxiliary coil being wound on the relay coil, whereby whenever a dead short-circuit occurs across the phase and neutral lines in the load circuit, the resulting large value of load current passing through the auxiliary coil is sufficient to energise and trip the relay and open the circuit.

Compl. specn. 8 pages. Drg. 1 sheet.

CLASS : 68D & 69(B&I) 156052

Int. Cl. : H 01 h 77/00 & H 02 h 3/00

A DEVICE FOR ELIMINATING ELECTRIC SHOCK AND FOR PROTECTING AN ELECTRIC CIRCUIT AGAINST FAULTS.

Applicant & Inventor : ARULANANDASAMY JOSEPH STEPHEN, NO. 20, M.E.S. ROAD, GANAPATHIPURAM, EAST TAMBARAM, MADRAS-600 059, TAMIL NADU.

Application No. 13/Mas/82 filed January 23, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A device for eliminating electric shock and for protecting an electric circuit against faults comprising identical first and second main coils for inclusion in the phase-neutral lines of an alternating current circuit, the magnetic fields of the main coils neutralising each other whenever each of the coils carries the same value of current; an electronic amplifier shunting the phase and grounded neutral lines, between the said main coils and the load in the said circuit; an induction coil connected to the input of the amplifier for sensing any differential magnetic field between the main coils, resulting from a fault in the circuit, and for producing a signal for amplification by the amplifier; a relay coil connected to the output of the amplifier for receiving the amplified signal and for thus tripping the normally closed relay included in the phase-neutral lines to open the circuit, characterised by an impedance in series with the amplifier; and a gas discharge lamp shunting the said impedance to ground

(Com. 7 pages; Drwg. 1 sheet)

Ind. Cl. : 76J—E. 156053

Int. Cl. : E 05c 9/02

Title : DEVICE FOR PREVENTING SUIT CASE AND THE LIKE OPENING IN UPSIDE DOWN POSITION.

Applicant : V.I.P. INDUSTRIES LTD., A COMPANY INCORPORATED UNDER THE PROVISIONS OF THE COMPANIES ACT, 1956 AND HAVING ITS REGISTERED OFFICE AT V.I.P. HOUSE, 88C, OLD PRABHADEVI ROAD, BOMBAY-400 025, MAHARASHTRA, INDIA.

Inventor : SHASHIKANT LAXMAN KULKARNI.

Application No. 231/BOM/1982 FILED ON 8TH SEPT. 1982 COMPLETE SPECIFICATION FILED ON 20th OCT. 1983.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

3 Claims

A device for the prevention of suit case opening in upside down position comprising a hook in the top half of said suit case and the lower half thereof having a body to receive said hook characterised in that said being provided with a groove at an angle from the vertical with the top portion of said groove lying in the path of said hook, a slidable ball or rod being located within said groove, when in the normal position of the suit case, allowing said hook to slide over said groove to engage with said body and when said suit case is in the upside position said ball or rod slides to said top position to engage said hook thereby preventing opening of said suit case.

Comp Specn 5 pages. Drg. Nil.

Prov. Specn. 3 pages. Drg. 2 sheets.

CLASS : 63G, 133B. 156054

Int. Cl. : H02p 1/26.

A SOLID STATE ELECTRONIC MOTOR STARTER.

Applicant : KIRAN KIRTI CHAUHAN, ELECTRICAL ENGINEER, C/O S. D. S. CHAUHAN, TARA NIKUNJ, THE MALL, NAHAN-173001, HIMACHAL PRADESH, AN INDIAN NATIONAL.

Inventor : KIRAN KIRTI CHAUHAN.

Application for Patent No. 174/Del/81 filed on 30th March, 1981.

Complete specification left on 22nd May, 1982.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A solid state electronic motor starter for protecting a 3-phase motor against abnormal starting and operating conditions, comprising in combination : a contactor actuation system comprising atleast one switching device having a main circuit and a control circuit; a contactor voltage control system which connects said control circuit of the contractor actuation system to a single phase alternating current power supply ond consists of a single phase diode bridge the input terminals of which are connected to the single phase alternating current supply through said control circuit and the output terminals of which are connected through a main switch to the anode and cathode of a first silicon controlled rectifier and also through a series combination of a normally open start push button switch and a pair of normally closed contacts of a stop/reset push button switch to the input of a clipping circuit consisting of a zener diode and biasing resistor, the output of said clipping circuit being connected across a first R-C time delay network the output of which is taken across a first capacitor and conntcted to the input of an unijunction transistor provided with a biasing resistor and an output resistor, said first R-C time delay network, unijunction transistor and the biasing and output resistors of the unijunction transistor forming in combination an oscillator circuit the output of which oscillator circuit appearing across said output resistor is fed to the gate of said first silicon controlled rectifier; a motor protection system comprising three identical nichrome wire feedback resistors provided in series one in each of the three stator windings of the motor and with their outputs respectively connected to corresponding input windings of a first and second, third and fourth control transformers; a static overload relay connected across the output winding of said first control transformer and comprising a first voltage divider the output of which is connected through a rectifier to an overload voltage R-C time delay notwork the output of which overload R-C time delay network is taken across a second capacitor and connected to tne gate and cathode terminals of a second silicon controlled rectifier the anode and cathode terminals of which second silicon controlled rectifier being connected to the input of said unijunction transistor through an alarm or trip mode operating switch and a fifth diode; said motor protection system also including a first phase shifting network comprising one half of the output winding of said second control/transformer, a second phase shifting network comprising the output winding of said third control transformer and a first R-C network which is connected across the output winding of said third control transformer and a third phase shifting network comprising the output winding of said fourth contrcl transformer and a second R-C network which is connected across the output winding of said fourth control transformer, the output of each said phase shifing network being interconnected in a known manner so as to obtain a resultant negative sequence feedback phasor voltage which is directly proportional in magnitude to the negative sequence current component of the 3-phase motor currents, said phasor voltage being applied across a second voltage divider which has its output rectified by a rectifier and applied to a third R-C time delay network the output of which third R-C time delay network is taken

across a third capacitor and connected to the gate and cathode terminals of a third silicon controlled rectifier which has its anode and cathode terminals connected across the input of said unijunction transistor through said alarm or trip mode operating switch and said fifth diode, an idependent regulated low voltage direct current power supply being connected to said second and third silicon controlled rectifiers through a second pair of normally closed contacts of said stop/reset push button switch and a sixth diode.

Provisional specn. 21 pages. Drg. 1 sheet
Compl. specn. 32 pages. Drg. 7 sheets.

156055

CLASS : 84-C.
Int. Cl : C 10 l 5/40, 5/44.

FUEL PELLETS AND METHOD FOR MAKING THEM FROM ORGANIC FIBROUS MATERIALS.

Applicant & Inventor : RUDOLF WILHELM GUNNERMAN, OF 505 HAYNES AVENUE, BEVERLY HILLS, CALIFORNIA 90210, UNITED STATES OF AMERICA.

Application No. 439/Cal/77 filed March 24, 1977.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for making fuel pellets from organic fibrous material such as herein described, which comprises adjusting the moisture content of comminuted fibrous material to from 16% to about 28% by weight, compressing the material in a die into a substantially symmetrical shape while at the said moisture content at a pressure whereby the temperature of the resulting pellet as it emerges from the die is from 325°F. to 350°F. and drying the pellets to a moisture content which is approximately in equilibrium with the surrounding atmosphere.

Compl. Specn. 17 pages. Drgs. 1 sheet.

CLASS : 40-F & 55-F. 156056

Int. Cl. : C 12 b 1/00; C 12 k 3/00.

A PROCESS FOR PRODUCING SINGLE CELL PROTEIN.

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W. 1, ENGLAND.

Inventors : 1. FRANK PETER MASLEN, 2. JOHN CLARK OUSBY, 3. PETER JAMES SENIOR.

Application No. 484/Cal/77 filed March 30, 1977.

Convention dated 2nd April, 1976 (13442) U.K.

8th December, 1976 (51198) U.K.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims

A process for producing single cell protein wherein a culture of micro-organisms of the kind such as herein described is caused to flow along a pathway defined by physical constraints and a carbon source is supplied to the culture at one or more positions thereby causing individual micro-organisms in the culture as they flow along the pathway to be exposed to concentration changes which are either effectively negligible or are equivalent to a pulsed source of carbon such that the cycle time (as hereinbefore defined) is either effectively zero or, at a given value of u/Mm is not greater than that tabulated below; the maximum cycle times for values of u/Mm falling between any successive pair of the tabulated values being in linear proportion to the cycle times for that pair :

u/Mm	cycle times (seconds)
greater than 0.5	30
0 2	6
0.1	4
0.5	3
less than 0.02	2.5

Compl. specn 18 pages. Drgs. 2 sheets.

CLASS : 21-B. 156057
Int. Cl. A 43 b 13/14.

SOLE FOR FOOTWEAR AND METHOD AND APPARATUS FOR PRODUCING SAME.

Applicant : BATA INDIA LIMITED, OF 30, SHAKESPEARE SARANI, CALCUTTA-700017, WEST BENGAL, INDIA.

Inventors : 1. WALDEMAR SCHILKE, 2. LADISLAV HUJIK.

Application No. 713/Cal/77 filed May 12, 1977.

Convention dated 12th May, 1976 (252363) Canada.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method of molding a filter-containing sole for an article of footwear comprising the steps of providing a filter having bottom, top and side surfaces adapted to face towards the bottom, top and sides respectively of a sole with respect to an article of footwear in normal use; molding a first sole portion onto said bottom surface of the filter in a first molding operation; and molding a second sole portion around the sides of the first sole portion and over the top and side surfaces of the filter in a second molding operation.

Compl. specn. 17 pages. Drgs. 5 sheets.

CLASS : 152-F. 156058

Int. Cl. : B 29 f 1/022.

PROCESS AND APPARATUS FOR PRODUCING PRODUCTS OF CROSS-LINKED HIGH DENSITY POLYETHYLENE.

Applicant : PONT-A-MOUSSON S.A., OF 91, AVENUE DE LA LIBERATION, 54 NANCY, FRANCE.

Inventors: 1. THIERRY FULCONIS, 2. BERNARD GINGLINGER.

Application No. 416/Cal/77 filed March 22, 1977.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for producing products of cross-linken high density polyethylene from a cross-linkable mixture containing a high density polyethylene and a cross-linking agent, in which the mixture is formed to shape in a continuous manner by pressure means and then the cross-linking is effected by means of said agent, wherein the cross-linkable mixture is in particulate form and is sequentially subjected to the action of a sintering temperature in a sintering zone, at the same time as it is formed to shape and sintered, and to the action of a cross-linking temperature higher than the sintering temperature, in a cross-linking zone, where the cross-linking is effected, the cross-linkable mixture being impelled by said pressure means through a rectilinear passage of constant section within the sintering and cross-linking zones.

Compl. specn. 18 pages. Drgs. 1 sheet.

CLASS : 40-B; 32-F$_3$ (a). 156059

Int. Cl. B 01 j 11/20.

PROCESS FOR PREPARING MODIFIED SILVER CATALYSTS FOR THE MANUFACTURE OF ETHYLENE OXIDE.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventor : 1. IAN ERNEST MAXWELL.

Application No. 425/Cal/77 filed 23rd March, 1977.

Convention dated 25th March, 1976 (12129/76) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A process for preparing modified silver catalysts for manufacture of ethylene oxide which comprises a heating a silver

catalyst comprising from 1 to 35% by weight (based on the entire catalyst) of silver on a porous refractory support at a temperature between 150 and 900°C, and (b) depositing from 0.00004 to 0.008 gram equivalent weights per kilogram (based on the entire catalyst) of ions of one or more of the alkali metals potassium, rubidum of cesium on the catalyst of step (a).

Compl. specn. 29 pages. Drgs. Nil.

CLASS : 40-F; 104-J. 156060

Int. Cl. : C 07 c 7/18; C 08 c 13/08; C08 d 7/10.

A PROCESS FOR STABLISING NATURAL AND/OR SYNTHETIC RUBBERS AGAINST DEGRADATION.

Applicant : BAYER AKTIENGESELLSCHAFT, OF 5090 LEVERKUSEN, BAYERWERK, WEST GERMANY.

Inventors : 1. ERNST ROOS, 2. GUNTER LANGNER, 3. THEO KEMPERMANN, 4. WOLF REDETZKY.

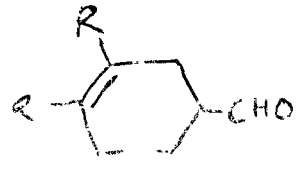
Application No. 949/Cal/77 filed June 24, 1977.

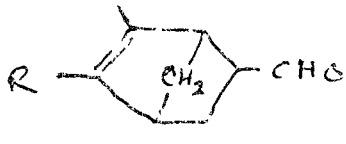
Division of Application No. 1769/Cal/76 dated 25th September, 1976.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for stablising natural and/or synthetic rubbers against degradation under the effect of ozone by adding anti-ozonants, characterised in that a condensation product of poly-hydroxy alcohols with tetrahydro- 3- benxaldehyde compounds of the formulae I and II shown in the accompanying drawings





wherein R is the same or different and represents hydrogen or methyl in a molar ratio of 1 : 1 to 1 : 3 in which all the aldehyde groups are present in acetalated form is added in active quantities as the anti-ozonant to natural and/or synthetic rubbers.

Compl. specn. 15 pages. Drgs. 2 sheets.

CLASS : 21-A & B. 156061

Int. Cl. : A 43 b 13/14, 21/14, 21/36.

METHOD AND APPARATUS FOR INJECTION MOULDING A SOLE AND HEEL COMPONANT FOR A FOOTWEAR AND PRODUCTS OBTAINED THEREBY.

Applicant : BATA INDIA LIMITED, OF 30 SHAKESPEARE SARANI, P.O. BOX 9079, CALCUTTA-700 017, WEST BENGAL, INDIA.

Inventor : 1. JEAN MATTON.

Application No. 226/Cal/82 filed February 26, 1982.

Convention dated 27th February, 1981 (81 06280) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

Method for injection moulding a sole and heel component for a footwear the component having a stiffener having a heel stiffening portion integral with a shank stiffening portion, the method comprising securing the free ends of the heel stiffening portion and the shank stiffening portion of the stiffener to the mould and injecting plastics material into the moulding cavity to form the component with the free ends of the stiffener so secured.

Compl. specn. 12 pages. Drgs 7 sheets

CLASS : 32-F; 55-F1, 4. 156062

Int. Cl. : A 61 k 23/00, 27/00; C 08 h 1/00; C 09 f 1/00.

METHOD FOR THE PURIFICATION AND RECOVERY OF PROPOLIS IN DRY POWDER FORM FROM RAW PROPOLIS OR UNPROCESSED BEESWAX.

Applicant & Inventor : ZENON M. SOSNOWSKI OF 1081 BEAUTY AVENUE, WINNIPEG, MANITOBA R2P 0 E9, CANADA.

Application No. 422/Cal/82 filed December 7, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A method for the purification and recovery of propolis in dry powder form from raw propolis or unprocessed beeswax which comprises :

(a) treating the raw propolis or unprocessed beeswax by solvent extraction with from 1 to 1.5 litres, per 500 g. of raw propolis or unprocessed beeswax, of a solvent selected from one or more of the following; ethyl alcohol, isopropyl alcohol, *n*-butyl alcohol, sec-butyl alcohol, *t*-butyl alcohol, ethyl ether, benzyl alcohol, propylene glycol, dimethyl sulfoxide, ethylene glycol, *n*-propyl alcohol, methyl alcohol, benzyl benzoate, acetone, polythylene glycol, glacial acetic acid or an aqueous solution of one or more thereof, the solvent extraction being performed over a period of from 1-10 days at a temperature in the range 0 to 37°C and with periodic agitation of the extraction mixture :

(b) filtering the extraction mixture; and

(c) treating the filtrate to remove the solvent therefrom and thereby to recover the purified propolis in dry powder form.

Compl. specn. 23 pages. Drgs. Nil.

CLASS : 32-F1. 156063

Int. Cl. : C 07 c 19/00.

PROCESS FOR MAKING 1, 2-DICHLOROETHANE.

Applicant : HOECHST AKTIENGESELLSCHAFT, D 6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. JOACHIM HUNDECK, 2. HARALD SCHOLZ, 3. HANS HENNEN

Application No. 1426/Cal/82 filed December 8, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Process for making 1, 2-dichloroethane by subjecting ethylene to reaction with chlorine in a solvent in the presence of a catalyst mixture consisting of anhydrous iron (III) chloride and a further component and, if desired, oxygen as an agent inhibiting the formation of by products at a temperature of about 20 to 200°C, at atmospheric or elevated pressure and distillatively separating the 1, 2-dichloroethane from the chlorination mixture, characterized in that

(a) the further mixing component is a nitrogen base selected from the group consisting of NH_3, a primary, secondary or tertiary alkyl, aralkyl, aryl or alicyclic amine or a polyamine or a salt thereof;

(b) the further mixing component is used in a proportion approximately equivalent to the proportion of iron (III) chloride, and

(c) the iron (III) chloride is used in a concentration of 0.005 to about 0.5 weight %, based on the quantity of solvent.

Compl. specn. 15 pages. Drgs. Nil.

CLASS : 55-E$_4$ + 128-F, G & I. 156064

Int. Cl. : A 61 m 1/00.

METHOD FOR PRODUCING AN ARTIFICIAL OXYGEN TRANSPORT SYSTEM FOR USE IN LIVING MAMMALS.

Applicant : THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 2200 UNIVERSITY AVENUE BERKELEY, CALIFORNIA 94720, U.S.A.

Inventor : CARVER ANTHONY HUNT.

Application No. 392/Cal/83 filed April 2, 1983.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method for producing an artificial oxygen transport system for use in living mammals comprising dissolving pure crystalline hemoglobin in water, mixing said hemoglobin solution with an oil phase comprising a mixture of naturally occurring lipids, a carbohydrate-lipid reaction product that masks the oxygen transport system from the reticuloendothelial system, said reaction product being produced from reacting, in the manner as herein described, a non-reducing carbohydrate with a lipid functionalized to react with carbohydrate, and a lipid solvent to thereby form a multiple oil-water-oil emulsion, thereafter evaporating, in the manner as herein described, the lipid solvent to invert the multiple oil-water-oil emulsion to a water-oil-water emulsion wherein at least a portion of said hemoglobin solution is trapped within the oil phase, removing or washing, in the manner as herein described, the outer water phase to eliminate untrapped heloglobin, and thereafter adding an aqueous solution buffered to be isotonic with the inner hemoglobin aqueous phase to form a water-oil-water emulsion oxygen transport system.

Compl. specn. 33 pages. Drgs. Nil.

CLASS : 32-F$_2$ (b). 156065
Int. Cl. : C 07 d 57/00.

PROCESS FOR PREPARING NOVEL *N*(BICYCLIC HETEROCYCLYL)$_4$-PIPERIDINAMINES.

Applicant : JANSSEN PHARMACEUTICA N. V., TURNHOUTSEBAAN 30, B-2340 BEERSE, BELGIUM.

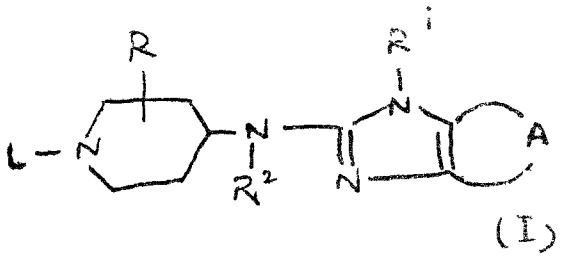
Inventors: 1. FRANS EDUARD JANNSSENS, 2. JOSEPH LEO GHISLANUS TORREMANS, 3. JOZEF FRANCIS HENS, 4. THEOPHILUS THERESIA JOANNES MARIA VAN OFFENWERT.

Application No. 599/Cal/83 filed May 12, 1983.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for preparing a chemical compound having the formula (I) as shown in Figure 2 of the accompanying drawings



(I)

Formula 31

a pharmaceutically acceptable acid addition, salt or a stereochemically isomeric form thereof, wherein :

A is a bivalent radical having the formula

-CH=CH-CH=CH-	(a),
-N=CH-CH=CH-	(b),
-CH=N-CH=CH-	(c),
-CH=CH-N=CH-	(d), or
-CH=CH-CH=N-	(e)

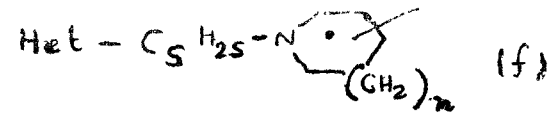
wherein one or two hydrogen atoms in said radicals (a)—(e) may, each independently from each other, be replaced by halo, lower alkyl, lower alkyloxy, trifluoromethyl or hydroxy;

R is a member selected from the group consisting of hydrogen and lower alkyl;

R^1 is a member selected from the group consisting of hydrogen, Alkyl, cycloalkyl, Ar^1 and lower alkyl substituted with one or two Ar^1 radicals;

R is a member selected from the group consisting of hydrogen, lower alkyl, cycloalkyl, (lower alkyl)-CO-and Ar^2-lower alkyl;

L is a member selected from the group consisting of a radical of formula (f) as shown in Figure 3

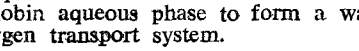


(f)

a radical of formula

Het-C$_s$H$_{2s}$-Y-Alk- (g); and

a radical of formula



(h),

wherein n is 0 or the integer 1 or 2;

s is o or an integer of from 1 to 6 inclusive;

Alk is lower alkandeiyl;

Y is O, S NR^3 or a direct bond;

X is O, S, CH-NO$_2$ or NR^4;

Z is O, S, NR^5 or a direct bond; and

Het is an optionally substituted 6-membered beterocyclic ring. having at least one nitrogen atom and being optionally condensed with an optionally substituted benzene ring, said Het being connected to C$_s$H$_{2s}$ on a carbon atom;

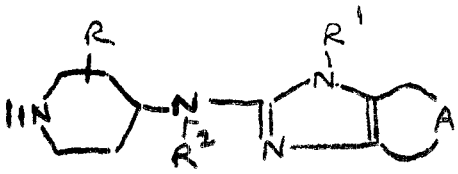
said R^3 being hydrogen, lower alkyl, (Ar^2) lower alkyl, 2-lower alkyloxy-1, 2-dioxethyl or a radical of formula -C(=X)-R^6, R^6 being hydrogen, lower alkyl, Ar^2-lower alkyl, lower alkyloxy, Ar--lower alkyloxy mono- or di(lower alkyl) amino,
Ar--lower alkylamino or (lower alkyl)amino;
Ar^2-lower alkyl

said R^4 being hydrogen, lower alkyl, cyano, nitro, Ar^2-sulfonyl, lower alkylsulfonyl, lower alkyl-carbonyl or Ar^2-Carbonyl; and

said R^5 being hydrogen or lower alkyl;
provided that Het is other than pyridinyl or mono-or di (lower alkyloxy) pyridinyl where L is a radical (g) wherein Y is NR^3 or where L is a radical (h) wherein X is O and Z is NR^5 or a direct bond;

wherein Ar^1 is a member selected from the group consisting of phenyl, being optionally substituted with up to three substituents each independently selected from the group consisting or halo, hydroxy, nitro, cyano, trifluoromethyl, lower alkyl, lower alkyloxy, lower alkylthio, mercapto, amino, mono- and di(lower alkyl) amino, carboxyl, lower alkyloxy-carbonyl and (lower alkyl)-CO-; thienyl; halothienyl; furanyl; lower alkyl substituted furanyl; pyridinyl; pyrizinyl; thiazolyl and imidazolyl optionally substituted by lower alkyl; and wherein Ar^2 is a number selected from the group consisting of phenyl being optionally substituted with upto three substituents each independently selected from the group consisting of halo, hydroxy, nitro, cyano, trifluoro-methyl, lower alkyl, lower alkyloxy, lower alkylthio, mercapto, amino mono and di(lower alkyl) amino, carboxyl, lower alkyloxy-carbonyl and (lower alkyl)-CO,

a process characterized by N-alkylating a piperidine of formula (III a) as shown in figure 33 with a compound of formula



(III -a)

L—W (II-a)

said W representing an appropriate reactive leaving group said as, for example, halo, e.g., chloro, bromo or iodo, or a sulfonyloxy group, e.g. methyl-sulfonyloxy or-4, methyl-phenylsulfonyloxy and if desired, converting the compounds of formula (I) into therapeutically active nontoxic acid addition salt form by treatment with appropriate acid, or conversely into stereochemically isomerir form thereof by known art procedures.

Compl. specn. 81 pages. Drg. 5 sheets.

CLASS : 64B, 156066

Int. Cl. : H 01 r 11/08.

A TURULAR PRESS SLEEVE FOR MULTISTRAND WIRE CONNECTIONS.

Applicant & Inventor : VAIAMPALAYAM KRISHNAMA NAIDU RANGANATHAN, OF ELECTRO TEXTILE INDUSTRY, NO. 4, KAKKAVALLAR KOVIL STREET, PEELAMEDU, COIMBATORE-641 004, TAMIL NADU.

Application No. 174/Mas/83 filed August 16, 1983.

Complete Specification left November 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A tubular press sleeve for multistrand wire connections comprising a metal tubular sleeve body, one end of which is fixed to an insulating cup, the sleeve body being crimpable.

(Prov.-3 pages; Com. 4 pages; Drg. 1 sheet.)

CLASS : 5 D & 173 B 156067

Int. Cl. : B 05 b 5/00.

CONTAINERS FOR LIQUID TO BE ELECTROSTATICALLY SPRAYED.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventor : RONALD ALAN COFFEE.

Application for Patent No. 632/Del/79 filed on 10th September, 1979.

Convention date 26th September, 1978/38180/78/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

9 Claims

A container for a liquid to be electrostatically sprayed, suitable for mounting on a holder carrying a high voltage generator, the container having :

a spray nozzle at least part of the surface of which is electrically conductive, and having an orifice for delivering liquid;

a mounting for locating the container on the holder;

an electrical connection from the nozzle to a contact on the mounting so placed that when the container is located on the holder by the mounting the contact can make connection with one output terminal of high voltage generator;

and a seal for closing the orifice prior to location on the holder.

Compl. specn. 15 pages. Drg. 5 sheets.

CLASS : 195B 156068

Int. Cl. : F 16 k 31/383.

A PILOT OPERATED PRESSURE RELIEF VALVE.

Applicant : VAPOR CORPORATION, A CORPORATION UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, LOCATED AT 6420 WEST HOWARD STREET, CHICAGO, ILLINOIS-60648, UNITED STATES OF AMERICA.

Inventor : ROBERT LOUIS MAGGIO.

Application for Patent No. 256/Del/81 filed on 24th April, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A pilot operated pressure relief valve having a housing, a reciprocating shut-off member in said housing defining first and second pressurized cavities above and below the shut-off member respectively, comprising :

a first aperture communicating with said first cavity;

a second aperture communicating with said second cavity, and defining an orifice;

an orifice insert concentric with said orifice defining a seal retention groove and defining a planner surface facing the shut-off member;

a seal in said groove;

a plurality of apertures communicating with said seal retention groove in spaced relationship with the periphery of said orifice insert, and further communicating with said second cavity;

means seating said seal on said closure member;

means maintaining said closure member in sealing engagement with said seal for equal pressure in said cavities;

means selectively venting said first cavity, wherein said product pressure displaces said shut-off member from said seat, and increased pressure in said seal groove beneath said seal caused by product flow through said orifice is relieved by said apertures.

Compl. specn. 11 pages. Drg. 3 sheets.

CLASS : 128A 156069

Int. Cl. : A61 l 15/00.

X-ray OPAQUE SURGICAL DRESSINGS.

Applicant : KAMLESH KUMARI, c/o SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-7, INDIA, AN INDIAN NATIONAL.

Inventor : KAMLESH KUMARI.

Application for Patent No. 302/Del/81 filed on 15th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A surgical dressing opaque to X-rays comprising a dressing made of spun and woven cellulosic fibres characterised in that the cellulosic fibres contain barium sulphate deposited therein.

Compl. specn. 7 pages.

CLASS $32F_3(b)$ 156070

Int. Cl. : C 07 c 63/00.

A CONTINUOUS PROCESS FOR THE PRODUCTION OF ISO- OR TERE-PHTHALIC ACID.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., FORMERLY KNOWN AS IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND, A BRITISH COMPANY.

Inventor : STEPHEN VYNNE NORVAL.

Application for Patent No. 316/Del/81 filed on 20th May, 1981.

Convention date 10th June 1980/8018918 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A continuous process for the production of iso-or terephthalic acid which comprises oxidising by means of molecular oxygen meta- or para-xylene in the presence of catalyst comprising bromine or a bromine-containing compound alone or together with a heavy metal catalyst such as herein described characterised in that the reaction is carried out in an essentially aqueous reaction medium and is initiated by adding, on start-up only, a solubilising agent such as herein described for the meta- or paraxylene.

Complete specn. 10 pages.

CLASS : 94 I 156071

Int. Cl. : B 21 b 27/00, 27/02, B 02 c 4/30.

IMPROVED MILL ROLL.

Applicant : FABCON INCORPORATED, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 965 MISSION BOULEVARD, SUIT 730, SAN FRANCISCO, CALIFORNIA 94103 UNITED STATES OF AMERICA.

Inventors : JOHN ANTHONY CASEY & JOSEPH CHRISTOPHE VICTOR DUCASSE.

Application for Patent No. 318/Del/81 filed on 20th May, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

An improved mill roll for use in grinding material such as sugar cane and for extracting juice therefrom, said mill roll comprising a roll body, a plurality of circumferentially extending grooves formed in the periphery of said roll body, a plurality of channels extending axially through said roll body at positions inwardly of said grooves, and a plurality of inserts fitted within said roll body at the radial bottoms of said grooves, each said insert having extending substantially radially therethrough an opening connecting the respective said groove with a respective said channel each said opening having an elongated, substantially rectangular circumferential cross section with a longer dimension extending substantially circumferentially of said roll body and a narrower dimension extending axially of said roll body.

Compl. specn. 14 pages. Drg. 3 sheets.

CLASS : 130 G 156072

Int. Cl. : C 22 b 13/00.

CONTINUOUS METHOD FOR REMOVING COPPER FROM LEAD.

Applicant : B. N. F. METALS TECHNOLOGY CENTRE, OF GROVE LABORATORIES, DENCHWORTH ROAD, WANTAGE, OXFORDSHIRE OX12 9BJ., ENGLAND, A BRITISH COMPANY.

Inventor : JOHN EDWIN BOWERS.

Application for Patent No. 362/Del/81 filed on 8th June, 1981.

Convention date 18th June, 1980/80 19930 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A continuous method of removing copper from lead, by reaction of copper with sulphur in a single stirred reaction vessel maintained under non-homogeneous conditions, which method comprises introducing a stream of molten lead containing copper as an impurity to the upper end of a vertical stirred reaction vessel, feeding sulphur into the lead at the upper end of the vessel, stirring a dispersion of sulphur in the lead and passing the sulphur and lead down the reactor in a spiral path without a significant amount of back-mixing for a time sufficient to effect reaction between the sulphur and the copper, recovering the stream of lead from the lower end of the vessel and passing it to settlement vessel where the copper sulphide dross is allowed to float to the surface.

Compl. specn. 11 pages. Drg. 1 sheet.

CLASS : 144 A 156073

Int. Cl. : B 44 d 3/16.

APPARATUS FOR STRIPPING EXCESS COATING LIQUID FROM MOVING STRIP MATERIALS.

Applicant: JOHN LYSAGHT (AUSTRILIA) LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA, OF 50 YOUNG STREET, SYDNEY, NEW SOUTH WALES, AUSTRALIA.

Inventor : RICHARD CHARLES BARRETT.

Application for Patent No. 399/Del/81 filed on 19th June 1981.

Convention date 21st January, 1981/66384/81 (Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

Apparatus for stripping excess coating liquid from an upwardly moving strip, of the kind comprising; a baffle plate having a vertical portion presented to the edge of said strip and a non-vertical remainder portion trended away from said edge, a carrier plate having said baffle plate fixed along one edge of it, a truck movable towards and away from said strip edge and having said carrier plate suspended from it, and means applied to said truck whereby said vertical portion is influenced to remain close to said strip without coming into contact therewith;

characterised in that said carrier plate extends further away from said strip edge than does said non-vertical portion, and the distance for which said carrier plate extends in the plane of said strip and away from that strip is from ten to twenty times the width of said vertical portion in the direction normal to said plane.

Compl. specn. 9 pages. Drg. 1 sheet.

REGISTRATION OF PATENT AGENTS

Mrs. Bela Parag Amladi of Purshottamdas Gokuldas, 39-D Onlooker Buildings, Sir P. M. Road, Fort, Bombay-400 001 has been registered as Patent agents.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Vijaya Raghavan Kalyani to the grant of a Patent on application No. 154367 made by Shri Periasamy Mathivanan.

(2)

An opposition has been entered by Orissa Cement Limited to the grant of a patent on application No. 154563 made by Shri Krishan Kumar Gupta.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78 (3)

(1)

The Page 49 and 55 to 60 of the complete specification and the title of the specification in respect of the Patent application No. 151380 (earlier numbered as 255/Cal/79) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 2nd April, 1983 has been corrected under section 78(3) of the Patents Act, 1970.

(2)

The claims 11 to 13 of the complete specification in respect of Patent Application No. 152087 (earlier 320/Cal/79) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 15th October, 1983 has corrected under Section 78 (3) of the Patents Act, 1970.

PATENTS SEALED

146124 151407 153034 153047 153074 153088 153091 153098
153099 153105 153106 153107 153110 153115 153116 153117
153118 153119 153127 153134 153139 153328.

RENEWAL FEES PAID

124656 126044 126658 126879 131203 133158 133725 134885
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138313 138360 138528 138616 138716 138737 138767 138807
139101 139125 139335 139345 139720 139736 139822 139841
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151671 151750 151862 151946 151967 152008 152041 152056
152060 152063 152109 152167 152178 152179 152200 152236
152237 152244 152299 152301 152395 152445 152463 152469
152471 152499 152559 152560 152578 152593 152598 152631
152827.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 158925 dated the 28th May, 1974 made by Harbans Lal Malhotra and Sons Ltd., formerly known as Harbans Lal Malhotra & Son Pvt. Ltd. on the 17th May, 1984 and notified in the Gazette of India, Part III, Section 2 dated the 17th November, 1984 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 149682 dated the 12th December, 1978 made by Biren Das Gupta on the 1st May, 1984 and notified in the Gazette of India, Part III, Section 2 dated the 13th October, 1984 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 147566 dated the 31st March, 1978 made by Mrs. Balasubramaniam Vijayalakshmi on the 12th October, 1981 and notified in the Gazette of India, Part III, Section 2 dated the 29th September, 1984 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 154800. Vspur Enterprise, India House No. 2, Flat No. 2 Kemp's Corner, Bombay 400 036, State of Maharashtra, an Indian Sole Proprietory Firm. "Domestic Grinding Mill". 6th September, 1984.

Class 1. No. 154699. Bhola Industries, 41, Hide Market, G.T. Road, Amritsar-143001. (Punjab State) (India). "The Pipe". 16th August, 1984.

Class 1. No. 154678. Engser India Private Ltd., an Indian Company of 2, Ganesh Chandra Avenue, Calcutta-700013, West Bengal, India. "Nut-1". 10th August, 1984.

Class 1. No. 154679. Engser India Private Limited., an Indian Company of 2, Ganesh Chandra Avenue, Calcutta-700013, West Bengal, India. "Nut-2". 10th August, 1984.

Class 1. No. 155058. Metals & Allied Products, 4/43, Kapadia Chambers, 51, Broach Street, Carnac Bunder Bombay-400 009, Maharashtra State, an Indian Partnership Firm. "Domestic Utensil". 15th November, 1984.

Class 1. No. 155160. Moazzim Ahmad Khan, Proprietor of Mato Industries, 2514-A, Bara Dari, Ballimaran Delhi-110006, Indian National. "Diesel Fuel Injection Testing Machine". 11th December, 1984.

Class 1. No. 155415. Crompton Greaves Limited, an Indian Company, of 1, V. B. Gandhi Marg, Bombay-400 023, Maharashtra State, India. "a Streetlight Luminaire". 20th February, 1985.

Class 3. No. 155416. Crompton Greaves Limited, an Indian Company, of 1, V. B. Gandhi Marg, Bombay-400 023, Maharashtra State, India. "a Streetlight Luminaire". 20th February, 1985.

Class 3. No. 154873. D. Subbaraman, S. Doraiswami and (Mrs.) Narayanamma, all of Indian Nationality, trading as M/s. Varuna Irrigation, 174/4, III Cross, Wilson Gardens, Bangalore 560 027, Karnataka, India. "a Rotating Sprinkler". 22nd September, 1984.

Class 3. No. 155235. Amar Nath Bansal Proprietor of Messrs Mahalaxmi Toys, 30/73, Gali No. 8, Vishwas Nagar, Delhi-110032, Indian National. "Night Lamp". 2nd January, 1985.

Class 3. No. 155150. Prince Plastics, 312, Churchgate Chambers, 5, New Marine Lines, Bombay-400 020, Maharashtra, an Indian Partnership Firm. "Bath Tub". 7th December, 1984.

Class 3. No. 155306. Crystal Plastics & Metallizing Private Limited, Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay 400 025, State of Maharashtra, an Private Limited Company incorporated under the Indian Companies Act. "Comb". 14th January, 1985.

Class 3. No. 155392. Daniel Alias Fernandes, Indian National, of Francis Engineering Works, Plot No. 77 & 78, Marol Co-op. Industrial Estate Limited, Mathuradas Vasanji Road, J.B. Nagar, Bombay 400 059, Maharashtra, India. "Brush". 14th February, 1985.

Class 3. No. 155394. Teeka Industries, a Registered Indian Partnership Firm, carrying on business at 84, Vijaykarwadi, S. V. Road, Malad (West), Bombay-400 064, Maharashtra. Sole of a Footwear", 14th February, 1985.

Class 3. No. 155143. Innomed, Inc, a Company Organised and existing under the laws of Connecticut, of Box 4307, 480 W. Puntum Ave., Greenwich, CT 068 30, U.S.A. "Comb-1". 7th December, 1984.

Class 4. No. 155050. Jagatjit Industries Limited. A Company incorporated under the Companies Act, 54- Mahatma Gandhi Road, Lajpat Nagar- III, New Delhi-110024. India. An Indian Company. "Bottle". 14th November, 1984.

Extn. of Copyright for the Second period of five years.

Nos. 154741, 154742, 154743, 154744, 149537, 149538 .....Class 1.

Nos. 154735, 154736, 154738, 154739, 149286, 155038, 154749 .....Class 3.

Extn. of Copyright for the Third period of five years.

Nos. 154211, 154213, 154448, 154450, 154452. .....Class 1.

Nos. 154212, 154214, 154449, 154451, 154453, 154749, 155038....., .Class 3

R. A. ACHARYA
Controller General of Patent, Designs and Trade Marks.

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